



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 20 78 30 67

Classification of the application (IPC):
B01J 19/12, C01B 3/04, C01B 32/40, B01J 8/00, C01B 32/50

Technical fields searched (IPC):
B01J

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	LEE YOON YUN ET AL: "Photocatalytic CO₂ conversion on highly ordered mesoporous materials: Comparisons of metal oxides and compound semiconductors", Internet <i>APPLIED CATALYSIS B. ENVIRONMENTAL</i> AMSTERDAM, NL 29 October 2017 (2017-10-29), pages 594-601 URL: http://dx.doi.org/10.1016/j.apcatb.2017.10.068 , DOI: 10.1016/j.apcatb.2017.10.068, ISSN: 0926-3373 [retrieved on 11 November 2022 (2022-11-11)] XP055980600 * figure 1 *	1-3, 8
A	HU BINGBING ET AL: "Enhanced photocatalytic activity of porous In₂O₃ for reduction of CO₂ with H₂O" <i>JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS</i>, CHAPMAN AND HALL, LONDON, GB, 16 March 2019 (2019-03-16), vol. 30, no. 8, DOI: 10.1007/S10854-019-01116-3, ISSN: 0957-4522, pages 7950-7962, XP036805311 * the whole document *	1-8
A	MUHAMMAD TAHIR ET AL: "Photocatalytic CO₂ reduction with H₂O vapors using montmorillonite/TiO₂ supported microchannel monolith photoreactor" <i>CHEMICAL ENGINEERING JOURNAL</i> AMSTERDAM, NL 01 August 2013 (2013-08-01), vol. 230, DOI: 10.1016/j.cej.2013.06.055, ISSN: 1385-8947, pages 314-327, XP055434061 * the whole document *	1-8
A	Vaiano Vincenzo ET AL: "CHEMICAL ENGINEERING TRANSACTIONS Steam Reduction of CO₂ in a Photocatalytic Fluidized Bed Reactor", 08 August 2017 (2017-08-08), pages 1-6 URL: http://www.aidic.it/cet/15/43/168.pdf , DOI: 10.3303/CET1543168 [retrieved on 12 November 2022 (2022-11-12)] XP055980638 * the whole document *	1-8

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 12 November 2022	Examiner Pasanisi, Andrea
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CATEGORY OF CITED DOCUMENTS

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Y	SORCAR SAURAV ET AL: "Highly enhanced and stable activity of defect-induced titania nanoparticles for solar light-driven CO ₂ reduction into CH ₄ " <i>MATERIALS TODAY, ELSEVIER, AMSTERDAM, NL</i> , 20 November 2017 (2017-11-20), vol. 20, no. 9, DOI: 10.1016/J.MATTOD.2017.09.005, ISSN: 1369-7021, pages 507-515, XP085300905 * figure 1 *	1, 4-7
Y	LIU PEI-YIN ET AL: "Photocatalytic CO ₂ reduction using an internally illuminated monolith photoreactor" , Internet <i>ENERGY & ENVIRONMENTAL SCIENCE</i> Cambridge 02 March 2011 (2011-03-02), page 1487 URL: https://pubs.rsc.org/en/content/articlelanding/2011/ee/c0ee00609b , DOI: 10.1039/c0ee00609b, ISSN: 1754-5692 [retrieved on 12 November 2022 (2022-11-12)] XP055980640 * page 1496, column 1, paragraph 2 *	1, 4-7

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 12 November 2022	Examiner Pasanisi, Andrea
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